L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

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DN 122:218309
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TI Additive for lead-free gasoline
IN Buchsbaum, Alexander; Koliander, Werner
PA OEMV AG, Austria
SO Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DT Patent
LA German
IC ICM C10L001-14
ICS C10L001-24
CC 51-7 (Fossil Fuels, Derivatives, and Related Products)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 639632	A1	19950222	EP 1994-890107	19940621 <--
	EP 639632	B1	19980422		
	R: AT, BE, CH, DE, DK, FR, GB, GR, IE, IT, LI, MC, NL, SE				
	AT 165389	E	19980515	AT 1994-890107	19940621
	SK 280988	B6	20001009	SK 1994-970	19940815
	HU 69325	A2	19950928	HU 1994-2368	19940816
	HU 214907	B	19980728		
	CZ 285397	B6	19990811	CZ 1994-1985	19940817
PRAI	AT 1993-1636	A	19930817		

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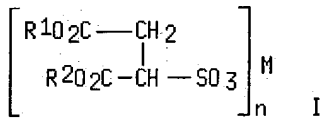

I

AB The antiwear additive for lead-free gasoline contains (1) a neutral alkali metal and/or alk. earth metal salt of mono- or diester of sulfosuccinic acid (I) (R1, R2 = H, C4-20 aliph. hydrocarbon (?1 of R1 and R2 is H); M = alkali metal ion, alk. earth metal ion; n = valency of M), (2) ?1 detergent (mol. wt. 2000-3000), and (3) carrier oil and/or diluent. Preferably, sulfosuccinate K salt/detergent wt. ratio is 1:(8-15). The amt. of K is 0.5-100 mg/kg fuel. The additive decreases wear of valve seats. Typically, the additive consists of K dioctyl sulfosuccinate 6.3, polybutene amine detergent 70.4, and kerosine 23.3 wt.%. The amt. of the additive is 1.1 mL/L gasoline.

ST gasoline antiwear additive; sulfosuccinate detergent mixt gasoline additive

IT Gasoline additives
(antiwear, sulfosuccinate-detergent mixt. as)

IT Polyethers, uses
RL: MOA (Modifier or additive use); USES (Uses)
(polyamine-, in antiwear additive for gasoline)

IT Polyamines
RL: MOA (Modifier or additive use); USES (Uses)
(polyether-, in antiwear additive for gasoline)

IT 7491-09-0, Potassium dioctyl sulfosuccinate 9003-29-6D, Polybutene, amine deriv.
RL: MOA (Modifier or additive use); USES (Uses)
(in antiwear additive for gasoline)

h eb c g cg b cg eb